



**DEVELOPING  
RENEWABLES**

Renewable Energy that benefits all

## Country energy information Cape Verde

September 2006

SIXTH FRAMEWORK PROGRAMME PRIORITY 3

Underpinning the economic potential and cohesion of a larger and more integrated EU

SPECIFIC SUPPORT ACTION

Project Acronym: RECIPES

Project full title: Renewable Energy in emerging and developing countries: Current situation, market Potential and recommendations for a win-win-win for EU industry, the Environment and local Socio-economic development

Contract number: 513733

Start date of contract: 1st January 2005

### Introduction

The information in this report was gathered from publicly available sources (the source list is available at [www.energyrecipes.org](http://www.energyrecipes.org)), like surveys, statistical data from the internet and books and other publications. The information consists of:

1. indicators and indices;
2. descriptions of the relevant energy items/subjects /themes.

Due to differences in availability of data per country the level of detail of these reports will differ.

For all the 114 developing and emerging countries of the INCO list a report like this is available. (see also [www.energyrecipes.org](http://www.energyrecipes.org) for the countries) Except for the following 15 countries, where more detailed reports are available.

Argentina	China	Cameroon
Brazil	India	Ghana
Colombia	Indonesia	Niger
Mexico	Pacific Islands	South-Africa
Peru	Thailand	Uganda

### The RECIPES project

The RECIPES project aims to contribute to the implementation of renewable energy in emerging and developing countries. The RECIPES project is financed under the 6th Framework Programme for Research and Technological Development of the European Commission.

The main objective of the RECIPES project is to provide the European Commission and other stakeholders with pragmatic information and recommendations facilitating appropriate action to further the implementation of renewable energy in emerging and developing countries, taking into account:

- | The effects on the local socio-economic situation.
- | The competitive position of European renewable energy industry.
- | The impacts on the local and global environment.

Data collection on the situation and potential of renewable energy in emerging and developing countries is the core of the RECIPES project.

An identification of the RE market potential is carried out for 15 developing and emerging countries. Local experts gathered data for all of these countries. The results of these in-depth studies are extrapolated to 99 other developing and emerging countries for which data is gathered through desk research.

See the RECIPES website ([www.energyrecipes.org](http://www.energyrecipes.org)) for relevant data collected and reports produced.

## Environmental problems

Soil erosion; deforestation due to demand for wood used as fuel; desertification; environmental damage has threatened several species of birds and reptiles; illegal beach sand extraction; overfishing

## Environment - international agreements

*Party to:* Biodiversity, Climate Change, Desertification, Environmental Modification, Hazardous Wastes, Law of the Sea, Marine Dumping, Ozone Layer Protection  
*signed, but not ratified:* none of the selected agreements

## Energy situation

Cape Verde does not have any domestic resources of fossil fuels and has to import all fossil products, mainly liquefied petroleum gas. Hydrocarbons predominate the energy mix with 30% of energy used coming from hydrocarbons. Roughly 20% of consumed energy comes from electricity. Cape Verde has a low percentage of traditional energy use in its total energy use.<sup>20</sup>

## Energy sector organisation

Cape Verde's renewable energy policy

	Cape Verde		Unit
<b>General</b>			
Population (2005)	418224		
Country area	4033	km <sup>2</sup>	
Total density of population (people/km <sup>2</sup> )	104.000	capita/km <sup>2</sup>	
Land use arable (%)	9.680	%	
Land use perm crops (%)	0.500	%	
Percentage of total people living in cities	55.100	%	
HDI (2002)	0.717		
<b>Social</b>			
Illiteracy	76.600	%	
Year of estimation	2003		

GDP in ppp mostly \$ 2004 est

600 million

### Economic

Income /capita \$ mostly 2004	1400	
Population below poverty line	30.000	%
Year of estimation	2000	
Inflation rate (consumer prices) (%)	1.500	%
Year of estimation	2004	
Growth of economy	5.000	%
Year of estimation	2004	
Oil consumption	2000.000	bbl/day
Year of estimation	2001	
Coal consumption (Million Short Tons)	0.000	millions short tonnes/year
Nuclear power production (Billion Kilowatthours) 2003	0.000	billion kWh/year
Hydro electricity capacity (2003)	0.000	million kilowatts

### Renewable energy situation

Geothermal, Solar, Wind, Wood and Waste Electricity Installed capacity (2003)	0.000	million kilowatts
RE energy electricity consumption (2003)	0.000	billion kWh/year
Total coal production (Million Short Tons)	0.000	millions short tonnes/year
Electricity consumption GWh (2003)	41.000	GWh